IN THE CLAIMS

1.   (Previously Presented) For use in an information processing system, an apparatus for automatically classifying video signals comprising:

a keyframe classifier for segmenting the video signals into an initial set of one or more story segments; and

a text classifier controller adapted for providing multiple classifications of text, said text classifier reading text having at least one keyword contained within at least one of the story segments, and being adapted for identifying keywords within each line of said text, and, in response to identifying at least one of said keywords within a line of text, classifying said line of text as a part of one or more classifications of said video signals that have been segmented into said at least one story segment.

2.   (Previously Presented) The apparatus as set forth in Claim 1 wherein said text classifier controller is adapted for sequentially comparing first and second lines of text to compare the number of keywords detected for each first line of text with the number of keywords detected for each second line of text, and for identifying a keyword transition point between two adjacent portions of text where the number of keywords detected in a keyword category for each line of text prior to said keyword transition point decreases below a threshold number.

3.   (Previously Presented) The apparatus as set forth in Claim 2 wherein said text classifier controller is adapted for classifying text between the beginning of the text and a first keyword transition point as one story segment of the text when said text classifier controller identifies a first keyword transition point.

4.   (Previously Presented) The apparatus as set forth in Claim 2 wherein said text classifier controller is adapted for classifying text between a first keyword transition point and a second keyword transition point as one story segment of the text when said text classifier controller identifies a first keyword transition point and a second keyword transition point.

5.   (Previously Presented) The apparatus as set forth in Claim 1 wherein said text classifier controller is adapted for sequentially comparing first and second lines of text to compare the number of keywords detected for each first line of text with the number of keywords detected for each second line of text, and for identifying a keyword transition point between two adjacent portions of text where the number of keywords detected in a keyword category for each line of text prior to said keyword transition point increases above a threshold number.

6. (Original) The apparatus as set forth in Claim 1 wherein said text classifier controller comprises an algorithm for reading lines of text to identify keywords contained within said lines of text, wherein said algorithm classifies each line of text in a keyword category that has the largest number of keywords in said line of text.

7. (Previously Presented) An information processing system of the type comprising:

a video story segmentation device;

a keyword library; and

a classification device;

wherein said information processing system includes a text classifier controller adapted for reading text having at least one keyword contained within at least one story segment within said text, and for identifying keywords within each line of said text, and, in response to identifying at least one of said keywords within a line of text, classifying said line of text as a part of said at least one story segment into one or more classifications of said at least one story segment within said text.

8. (Previously Presented) An information processing system as set forth in Claim 7 wherein said text classifier controller is adapted for sequentially comparing first and second lines of text to compare the number of keywords detected for each first line of text with the number of keywords detected for each second line of text, and

for identifying a keyword transition point between two adjacent portions of text where the number of keywords detected in a keyword category for each line of text prior to said keyword transition point decreases below a threshold number.

9.   (Previously Presented) An information processing system as set forth in Claim 8 wherein said text classifier controller is adapted for classifying text between the beginning of the text and a first keyword transition point as one story segment of the text when said text classifier controller identifies a first keyword transition point.

10.   (Previously Presented) An information processing system as set forth in Claim 8 wherein said text classifier controller is adapted for classifying text between a first keyword transition point and a second keyword transition point as one story segment of the text when said text classifier controller identifies a first keyword transition point and a second keyword transition point.

11.   (Previously Presented) An information processing system as set forth in Claim 7 wherein said text classifier controller is adapted for sequentially comparing first and second lines of text to compare the number of keywords detected for each first line of text with the number of keywords detected for each second line of text, and adapted for identifying a keyword transition point between two

adjacent portions of text where the number of keywords detected in a keyword category for each line of text prior to said keyword transition point increases above a threshold number.

12.   (Original) An information processing system as set forth in Claim 7 wherein said text classifier controller comprises an algorithm for reading lines of text to identify keywords contained within said lines of text, wherein said algorithm classifies each line of text in a keyword category that has the largest number of keywords in said line of text.

13.   (Previously Presented) For use in an information processing system, a method of automatically classifying audio and visual signals comprising the steps of:

        initially segmenting the audio and visual signals based upon keyframe identification into one or more story segments;

        reading text having at least one keyword contained within at least one story segment;

        identifying keywords within each line of said text; and

        in response to identifying at least one of said keywords within a line of text, classifying said line of text as a part of said at least one story segment into one or more classifications of said audio and visual signals that have been segmented into said at least one story segment.

14. (Original) The method as set forth in Claim 13 further comprising the steps of:

sequentially comparing first and second lines of text to compare the number of keywords detected for each first line of text with the number of keywords detected for each second line of text; and

identifying a keyword transition point between two adjacent portions of text where the number of keywords detected in a keyword category for each line of text prior to said keyword transition point decreases below a threshold number.

15. (Original) The method as set forth in Claim 14 further comprising the step of:

classifying text between the beginning of the text and a first keyword transition point as one story segment of the text when said text classifier controller identifies a first keyword transition point.

16. (Original) The method as set forth in Claim 14 further comprising the step of:

classifying text between a first keyword transition point and a second keyword transition point as one story segment of the text when said text classifier controller identifies a first keyword transition point and a second keyword transition point.

17. (Original) The method as set forth in Claim 13 further comprising the steps of:

sequentially comparing first and second lines of text to compare the number of keywords detected for each first line of text with the number of keywords detected for each second line of text; and

identifying a keyword transition point between two adjacent portions of text where the number of keywords detected in a keyword category for each line of text prior to said keyword transition point increases above a threshold number.

18. (Original) The method as set forth in Claim 13 further comprising the steps of:

sequentially comparing first and second lines of text to compare the number of keywords detected for each first line of text with the number of keywords detected for each second line of text; and

identifying a plurality of keyword transition points in said text between adjacent portions of text where the number of keywords detected in a keyword category for each line of text prior to each of said keyword transition points decreases below a threshold number; and

classifying the text between each two adjacent keyword transition points of said plurality of keyword transition points as a story segment of the text.

19. (Previously Presented) For use in a computerized information processing system, computer-executable instructions stored on a computer-readable storage medium for automatically classifying text, the computer-executable instructions comprising the steps of:

initially segmenting a video into one or more story segments based upon keyframes;

reading text having at least one keyword contained within at least one story segment;

identifying keywords within each line of said text; and

in response to identifying at least one of said keywords within a line of text, classifying said line of text as a part of said at least one story segment into one or more classifications of said video that have been segmented into said at least one story segment.

20. (Original) The computer-executable instructions stored on a computer-readable storage medium as set forth in Claim 19, the computer-executable instructions further comprising the steps of:

sequentially comparing first and second lines of text to compare the number of keywords detected for each first line of text with the number of keywords detected for each second line of text; and

identifying a keyword transition point between two adjacent portions of text where the number of keywords detected in a keyword category for each line of text prior to said keyword transition point decreases below a threshold number.

21. (Original) The computer-executable instructions stored on a computer-readable storage medium as set forth in Claim 20, the computer-executable instructions further comprising the step of:

classifying text between the beginning of the text and a first keyword transition point as one story segment of the text when said text classifier controller identifies a first keyword transition point.

22. (Original) The computer-executable instructions stored on a computer-readable storage medium as set forth in Claim 20, the computer-executable instructions further comprising the step of:

classifying text between a first keyword transition point and a second keyword transition point as one story segment of the text when said text classifier controller identifies a first keyword transition point and a second keyword transition point.

23. (Original) The computer-executable instructions stored on a computer-readable storage medium as set forth in Claim 19, the computer-executable instructions further comprising the step of:

sequentially comparing first and second lines of text to compare the number of keywords detected for each first line of text with the number of keywords detected for each second line of text; and

identifying a keyword transition point between two adjacent portions of text where the number of keywords detected in a keyword category for each line of text prior to said keyword transition point increases above a threshold number.